

PARTS MANUAL

COMMERCIAL GENERATOR

PX4800 & PX4800e



Cummins **Onan**

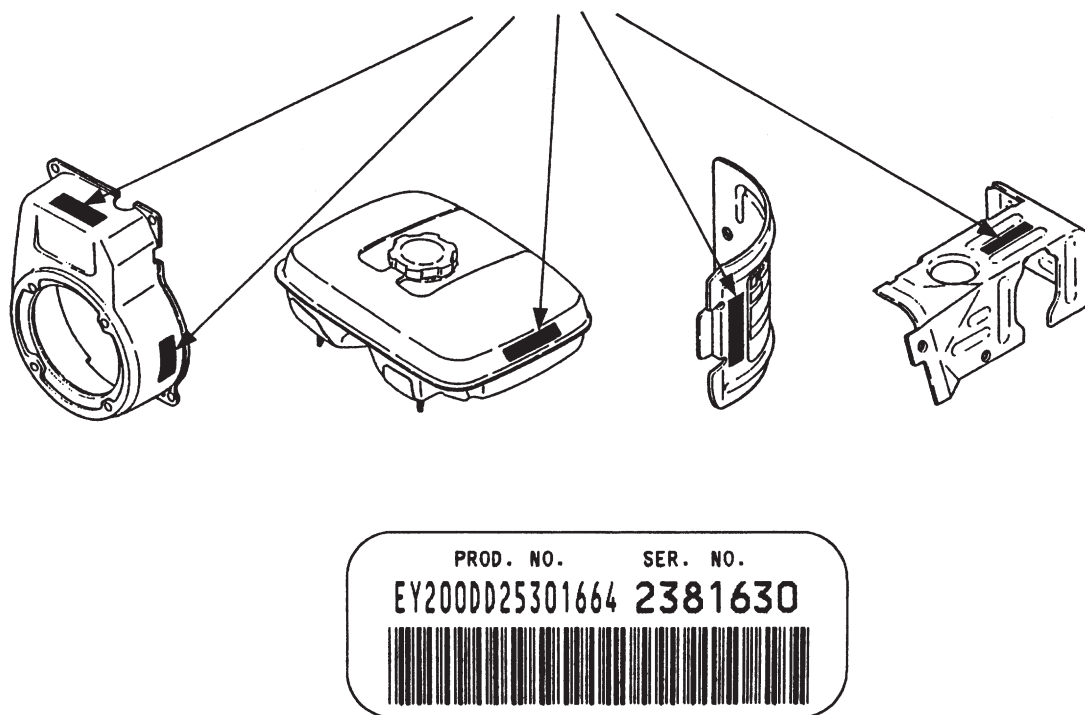


HOW TO USE THIS MANUAL

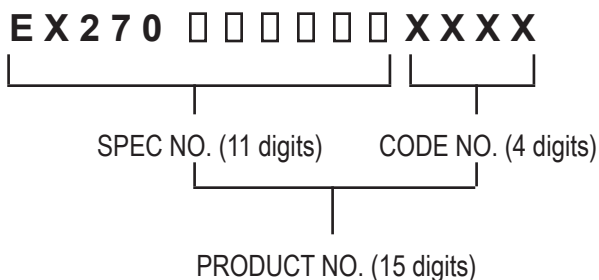
Cummins Onan engines are identified by MODEL, SPECIFICATION, and CODE NUMBER. For each model there may be many different versions called specifications. Each specification will be unique in some way. The difference may only be the paint color or it may have a different type of PTO or some other significant difference.

In order to identify the correct service part number, it is important to confirm the specification and code numbers for your engine. The specification and code number together are known as the PRODUCT NUMBER.

All Cummins Onan 4 cycle engines have a Product Number label similar to the label illustrated below.



The Product Number Label has a 15 digit alphanumeric string that consists of the SPECIFICATION (SPEC) number (11 digits) and the CODE number (4 digits). Please note the illustration below:



MANUAL LAYOUT

1— SECTION 6 FUEL GROUP

2— FIG. 600

1— SECTION 6 FUEL GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	267-60103-01	FUEL TANK CP	1	YD, YS TYPE, BLACK		600
27	267-60101-01	FUEL TANK CP	1	YELLOW		600
30	073-20039-00	LABEL, WARNING	1	YD, YS TYPE		600
31	043-04300-15	FUEL TANK CAP CP	1			600
40	267-95201-03	LABEL, EMISSION	1	YD, YS TYPE		600
50	064-13600-10	FUEL FILTER	1			600
-1	064-20021-01	FUEL STRAINER AY	1			600
-2	064-20002-20	FILTER	1			600
-3	064-20002-30	GASKET	1			600
-4	064-20019-10	CUP	1			600

1. SECTION NAME Parts are broadly classified according to their functions.
Refer to the Group Index (table of contents) for respective section name.
2. FIG. No. The FIG. number indexes the reference and part numbers to the illustration. Figure numbers that vary only in the tens place (i.e.: 700 and 710) are in a group of the same section (i.e.:Electrical Device Group).
3. REF. No . The Reference number identifies the part illustration with the corresponding part number in the part list.
4. SUBASSEMBLY SUBASSEMBLY parts of part assembly are listed below the assembly part. The subassembly part reference number is indicated by the number led by "-" such as "-1", "-2".
5. PART NUMBER It is the number assigned for sales unit. Use the PART No. when making an order.
6. DESCRIPTION It is designation of the part.
7. QTY. Quantity of each part used for each product.
8. REMARKS This gives a distinctive feature and/or a supplementary comment for the type, the specification, and the part concerned. It also shows part number(s) interchangeable for the part.
9. FROM-TO This section shows the CODE No. to indicate the history of progress in which improved parts have been introduced in the product. The FROM-TO CODE No. helps to identify PART No. being employed in the product concerned. See the examples below:
 - The part is used in the product irrespective of CODE No.
 - 2101- The part is used in the products with CODE No. of 2101 and after this number.
 - 2100 The part is used in the products with CODE No. of 2100 and before this number.

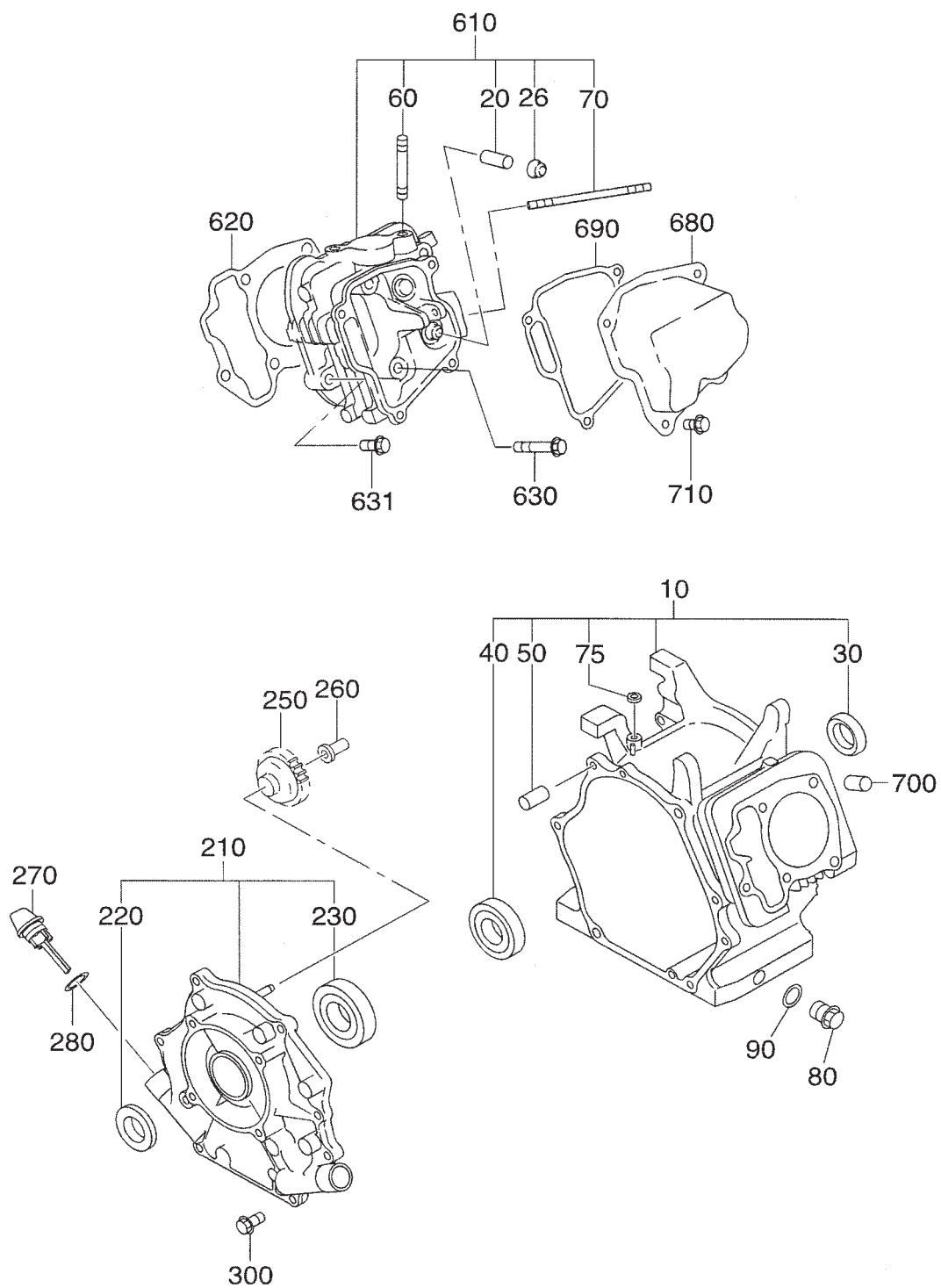
GROUP INDEX

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INDEX OF DESCRIPTION SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AY	ASSEMBLY	P=	PITCH (in mm)
CP.....	COMPLETE	P.T.O. (PTO)	POWER TAKE OFF
EX.....	EXPORT (from Japan)	REF.....	REFERENCE
FIG.....	FIGURE	R.H. (RH).....	RIGHT HAND SIDE
FR.....	FRONT	RR.....	REAR
"	INCH	STD.	STANDARD
INCL.	INCLUDE	SW	SWITCH
~L.....	LITER	T=	THICKNESS (in mm)
L=	LENGTH (in. mm)	UN	UNIT
L.H. (LH).....	LEFT-HAND SIDE	U.S.....	UNDER SIZE
MECH.....	MECHANICAL	~V	VOLTAGE
NO (NON).....	NONE	~W	WATT
OPT.....	OPTIONAL	W/	WITH
O.S.	OVER SIZE	W/O	WITHOUT

SECTION 1 CRANKCASE GROUP

FIG. 100

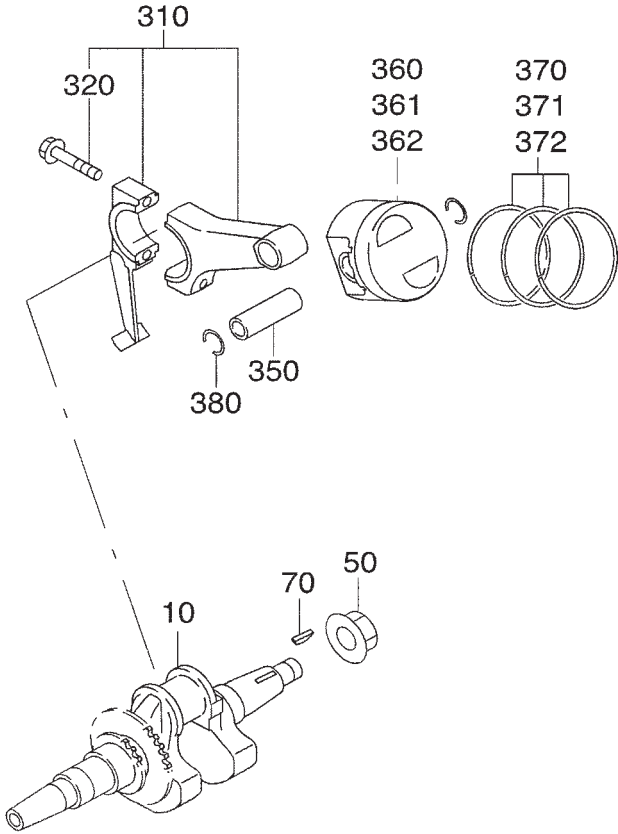


SECTION 1 CRANKCASE GROUP

[illegible]

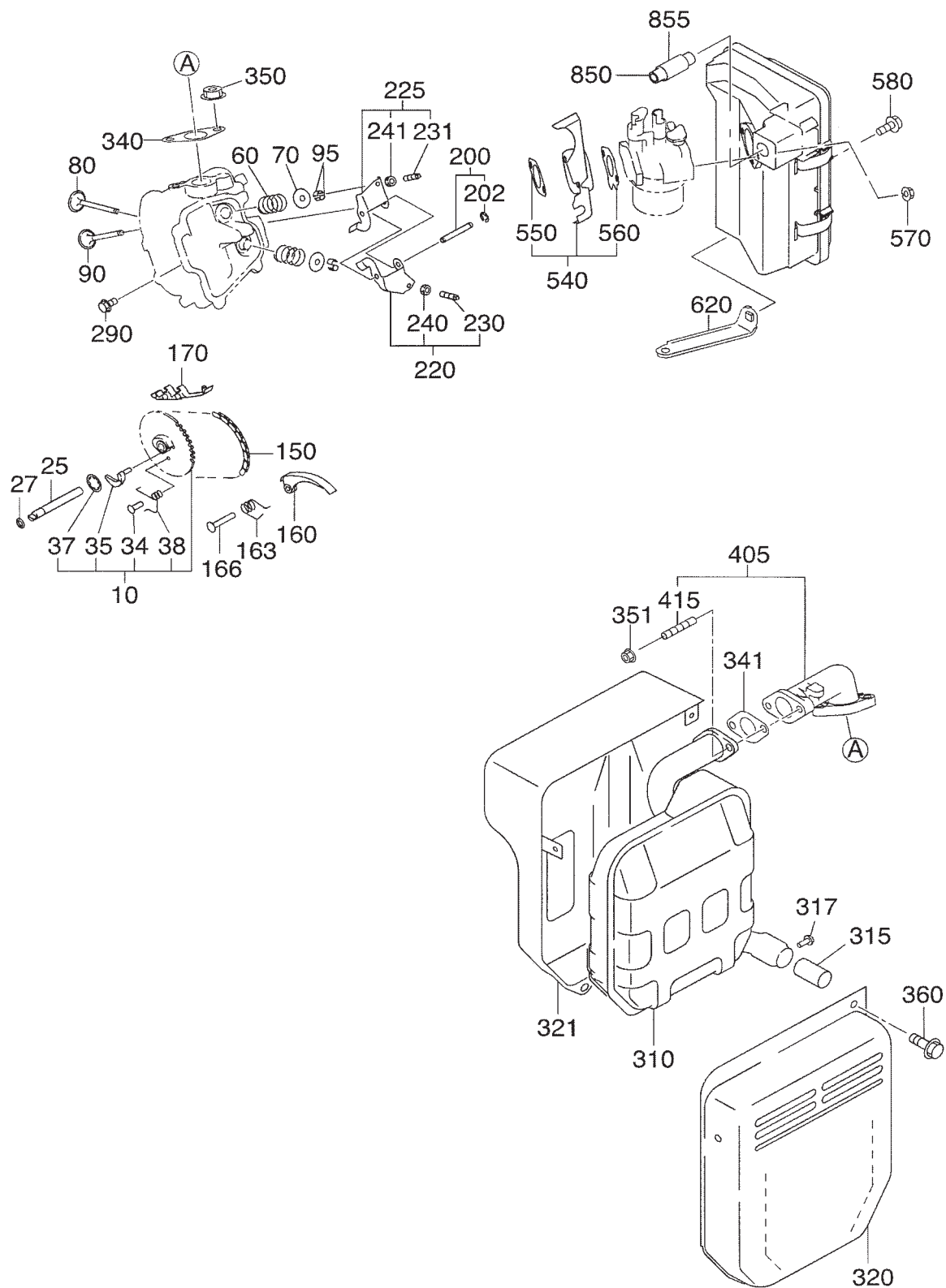
SECTION 2 CRANKSHAFT, PISTON GROUP

FIG. 200



SECTION 3 INTAKE, EXHAUST GROUP

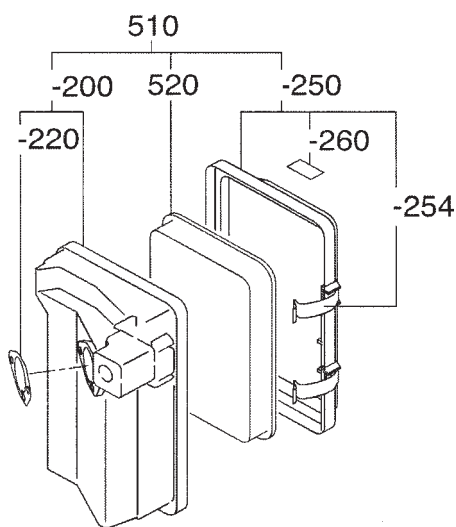
FIG. 300



SECTION 3 INTAKE, EXHAUST GROUP

REF	PART NO	DESCRIPTION	QTY	REMARKS	FROM - TO	FIG
10	279-31602-11	CAMSHAFT	1			300
25	277-35101-03	PIN, camshaft	1			300
27	024-00600-10	O RING	1			300
34	277-38601-03	PIN, spring	1			300
35	279-36401-03	RELEASE LEVER	1			300
37	277-36501-03	CLIP	1			300
38	279-38701-13	RETURN SPRING	1			300
60	279-33601-03	VALVE SPRING	2			300
70	269-33701-03	SPRING RETAINER	2			300
80	279-33401-H3	INTAKE VALVE	1			300
90	279-33501-H3	EXHAUST VALVE	1			300
95	132-10KA0-31	COLLET VALVE	4			300
150	279-35601-11	TIMING CHAIN	1			300
160	277-36911-03	TENTIONER	1			300
163	277-37101-03	SPRING, tentioner	1			300
166	277-36902-03	PIN, tentioner	1			300
170	277-36913-13	CHAIN GUIDE	1			300
200	277-35002-01	PIN, rocker	1			300
202	003-13050-00	CLIP	1			300
220	277-36201-00	ROCKER ARM, intake	1			300
225	277-36202-00	ROCKER ARM, exhaust	1			300
230	014-90500-20	ADJUST SCREW	1			300
231	014-90500-20	ADJUST SCREW	1			300
240	017-00500-30	NUT	1			300
241	017-00500-30	NUT	1			300
290	011-00600-20	FLANGE BOLT	1			300
310	279-30202-01	MUFFLER	1			300
315	279-37602-01	SPARK ARRESTOR	1			300
317	015-00400-60	TAPPING SCREW	1			300
320	279-34501-11	MUFFLER COVER 1	1			300
321	279-34601-11	MUFFLER COVER 2	1			300
340	277-35201-13	GASKET, muffler	1			300
341	277-35201-01	GASKET, exhaust	1			300
350	980-20082-80	FLANGE NUT	2			300
351	980-20082-80	FLANGE NUT	2			300
360	011-00600-20	FLANGE BOLT	3			300
405	277-34001-01	EXHAUST PIPE	1			300
415	010-50802-90	STUD	2			300
540	279-32902-J1	INSULATOR	1			300
550	279-35903-J3	GASKET 2, insulator	1			300
560	279-35902-J3	GASKET 1, insulator	1			300
570	002-38060-00	FLANGE NUT	2			300
580	011-00600-50	FLANGE BOLT	1			300
620	279-39001-01	BRACKET, air cleaner	1			300
850	279-32760-08	RUBBER PIPE	1			300
855	279-69001-03	SPONGE PROTECTOR	1			300

FIG. 310

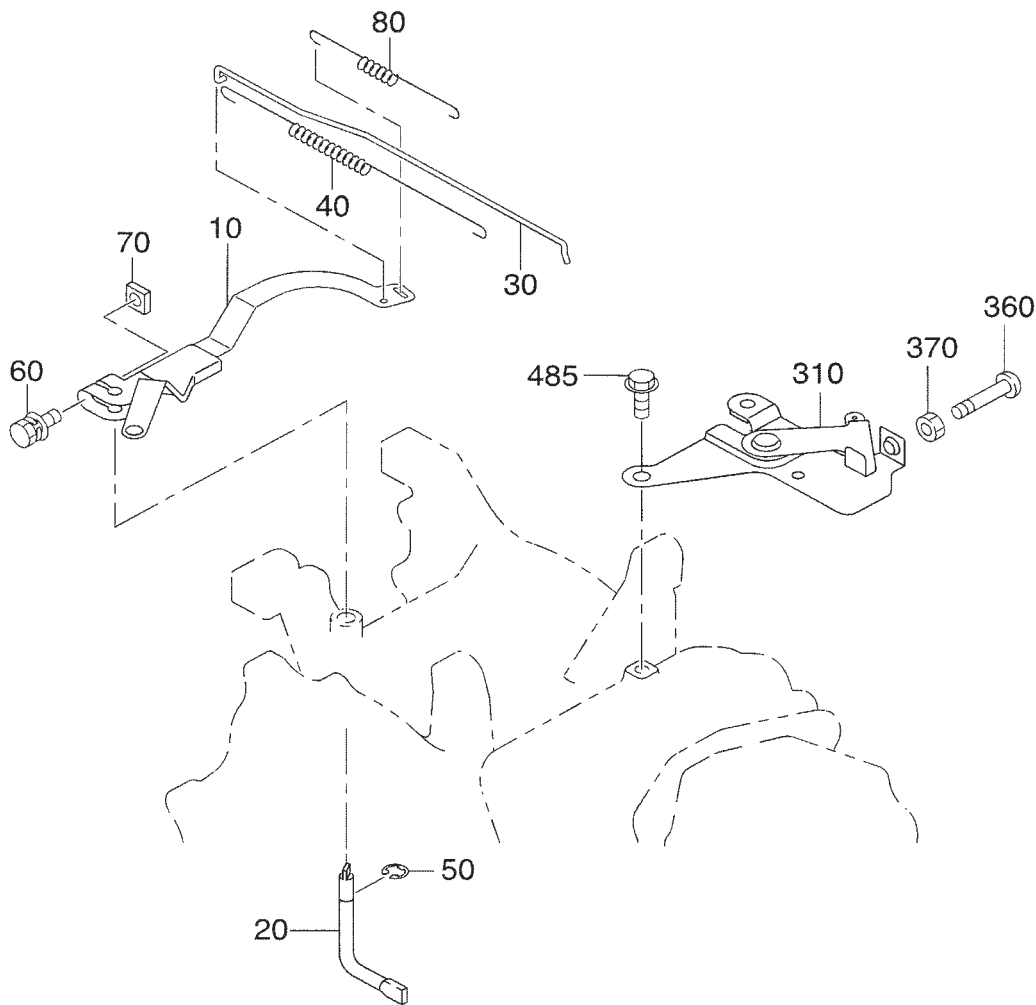


SECTION 3 INTAKE, EXHAUST GROUP

[illegible]

SECTION 4 GOVERNOR, OPERATION GROUP

FIG. 400

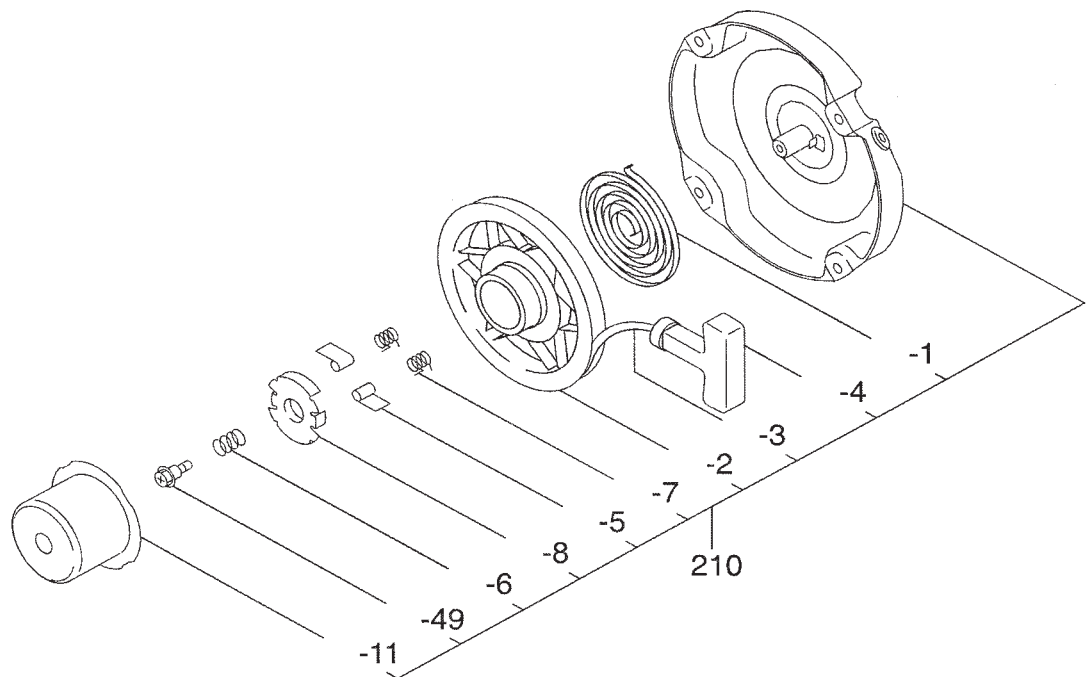
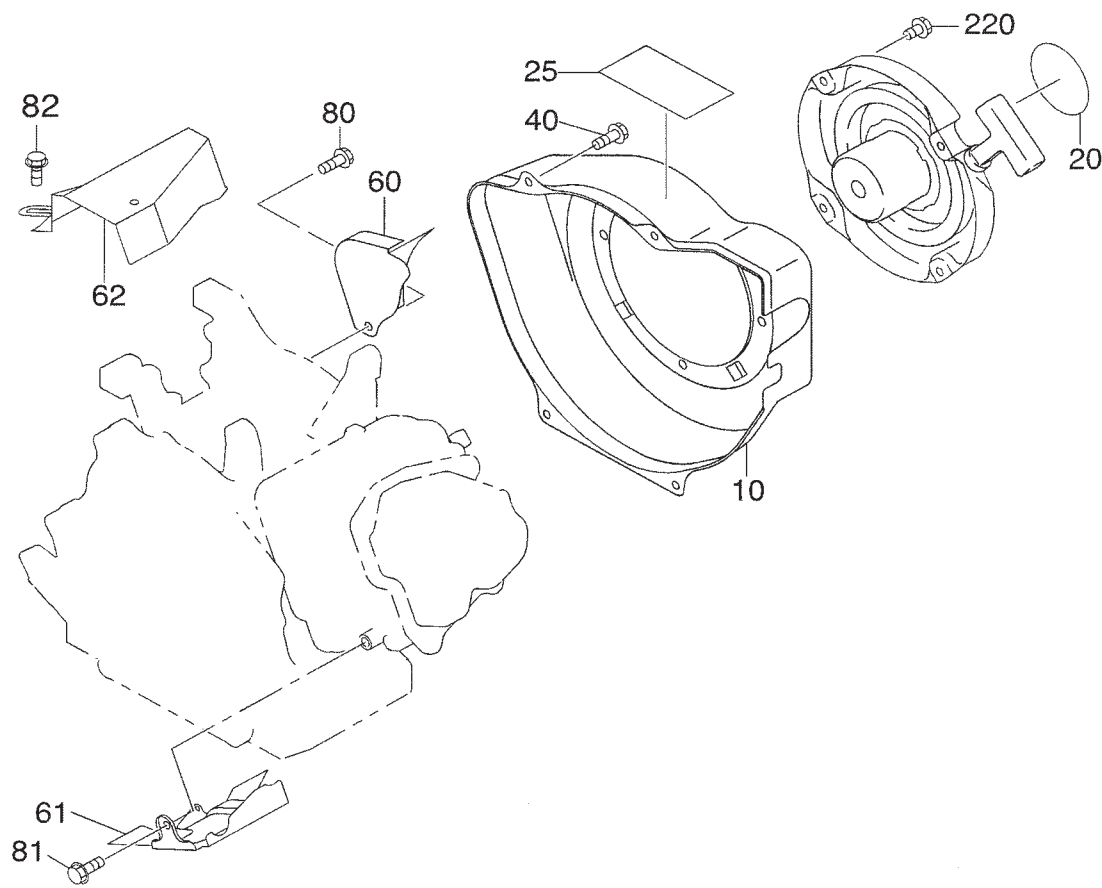


SECTION 4 GOVERNOR, OPERATION GROUP

[illegible]

SECTION 5 COOLING, STARTING GROUP

FIG. 500

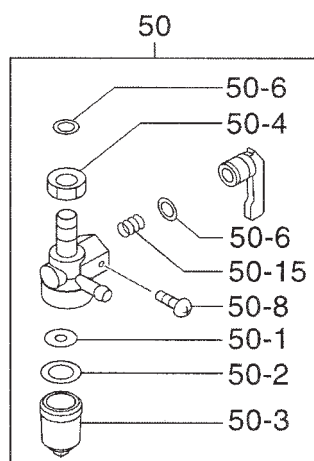
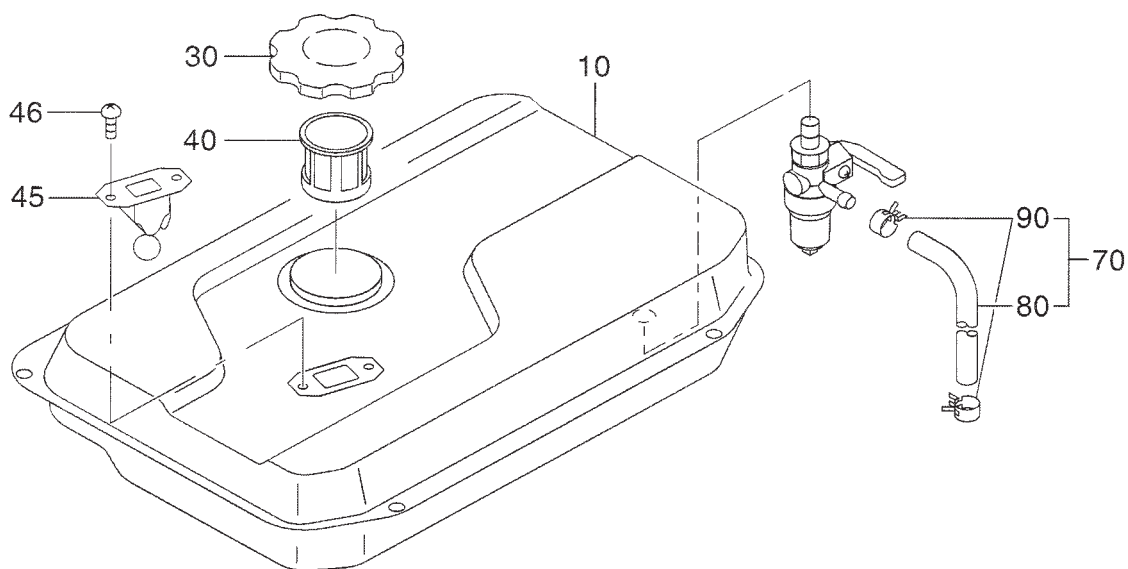


SECTION 5 COOLING, STARTING GROUP

[illegible]

SECTION 6 FUEL, LUBRICANT GROUP

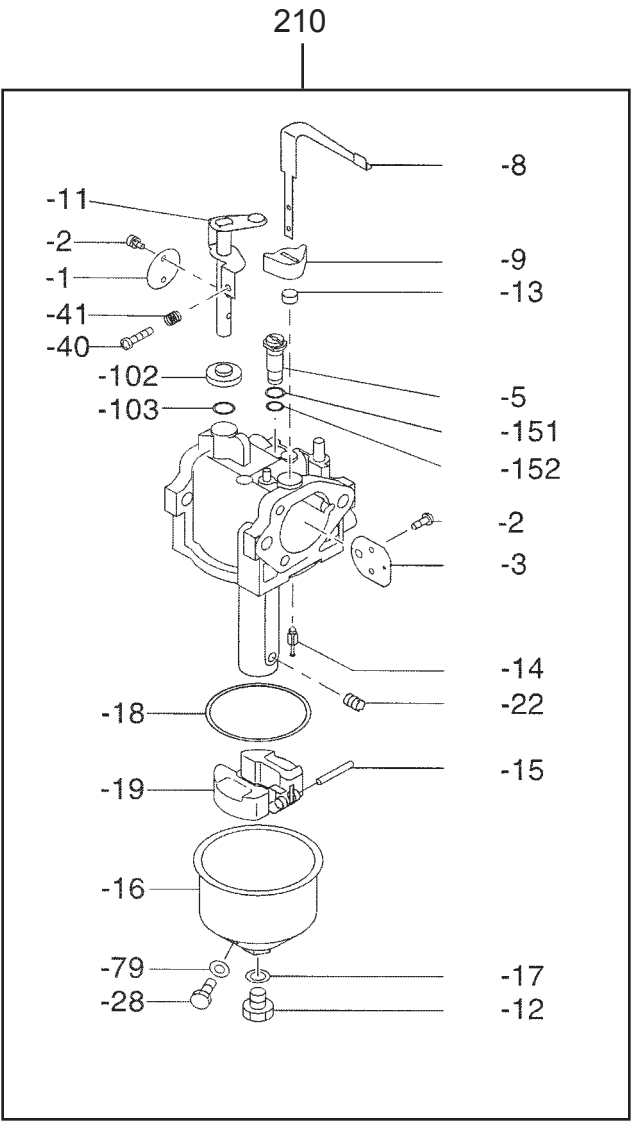
FIG. 600



SECTION 6 FUEL, LUBRICANT GROUP

[illegible]

FIG. 610

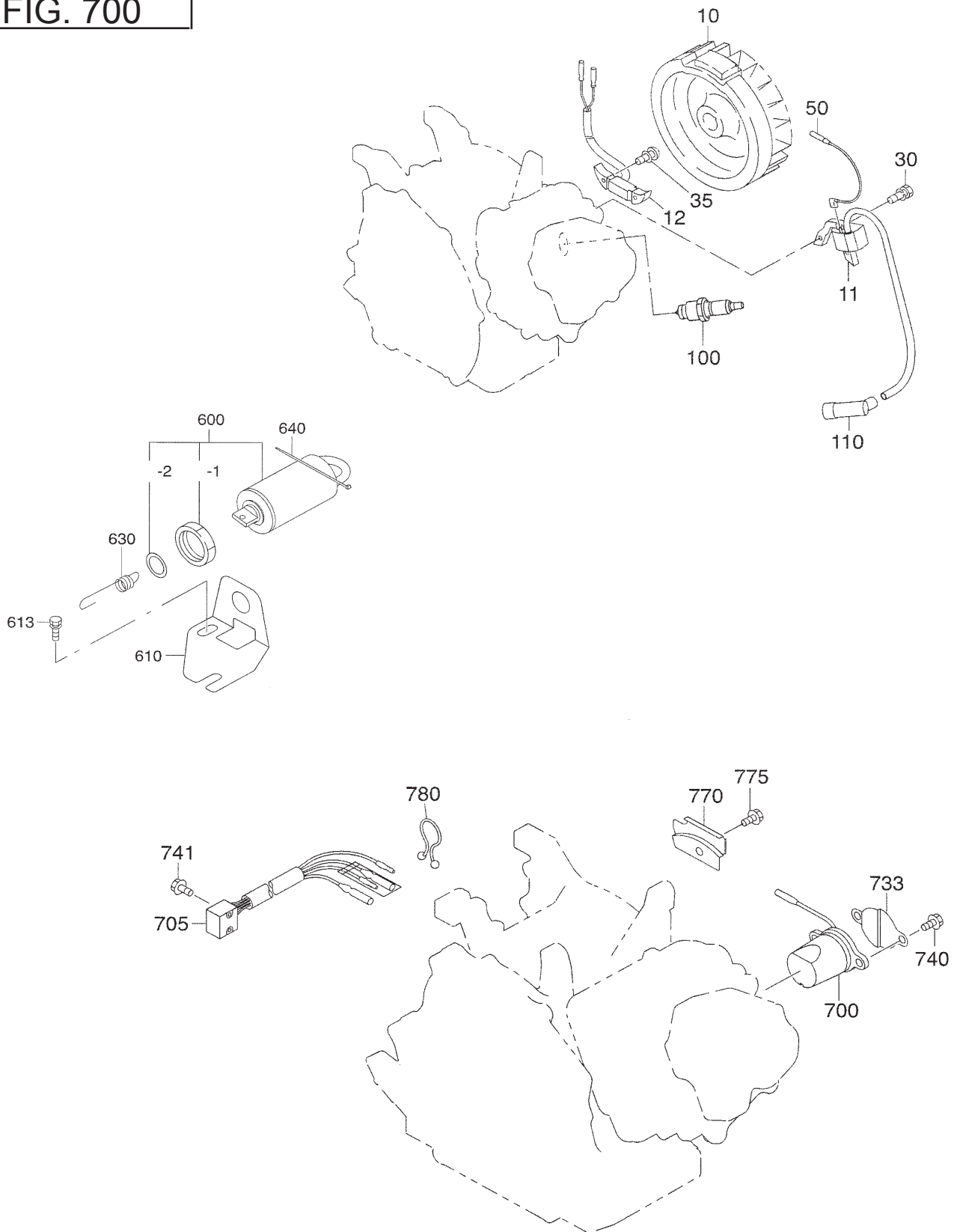


SECTION 6 FUEL, LUBRICANT GROUP

[illegible]

SECTION 7 ELECTRIC GROUP

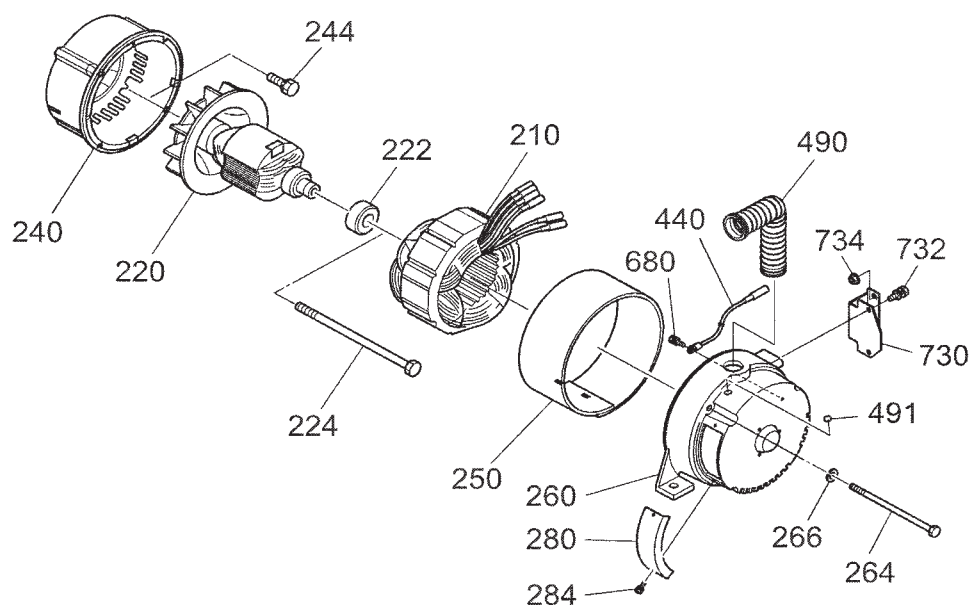
FIG. 700



SECTION 7 ELECTRIC GROUP

[illegible]

FIG. 2200

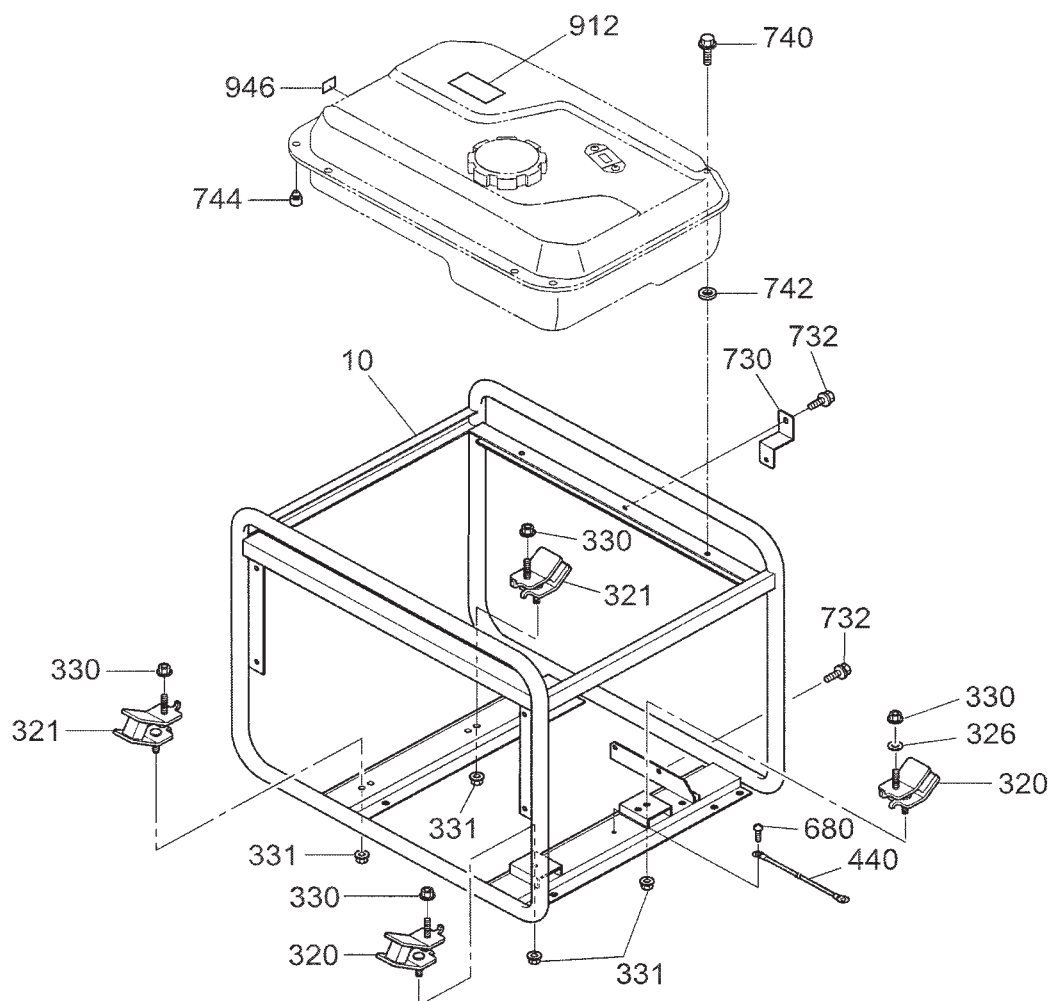


SECTION 8 GENERATOR GROUP

[illegible]

SECTION 9 BASE, FRAME GROUP - RECOIL

FIG. 2300

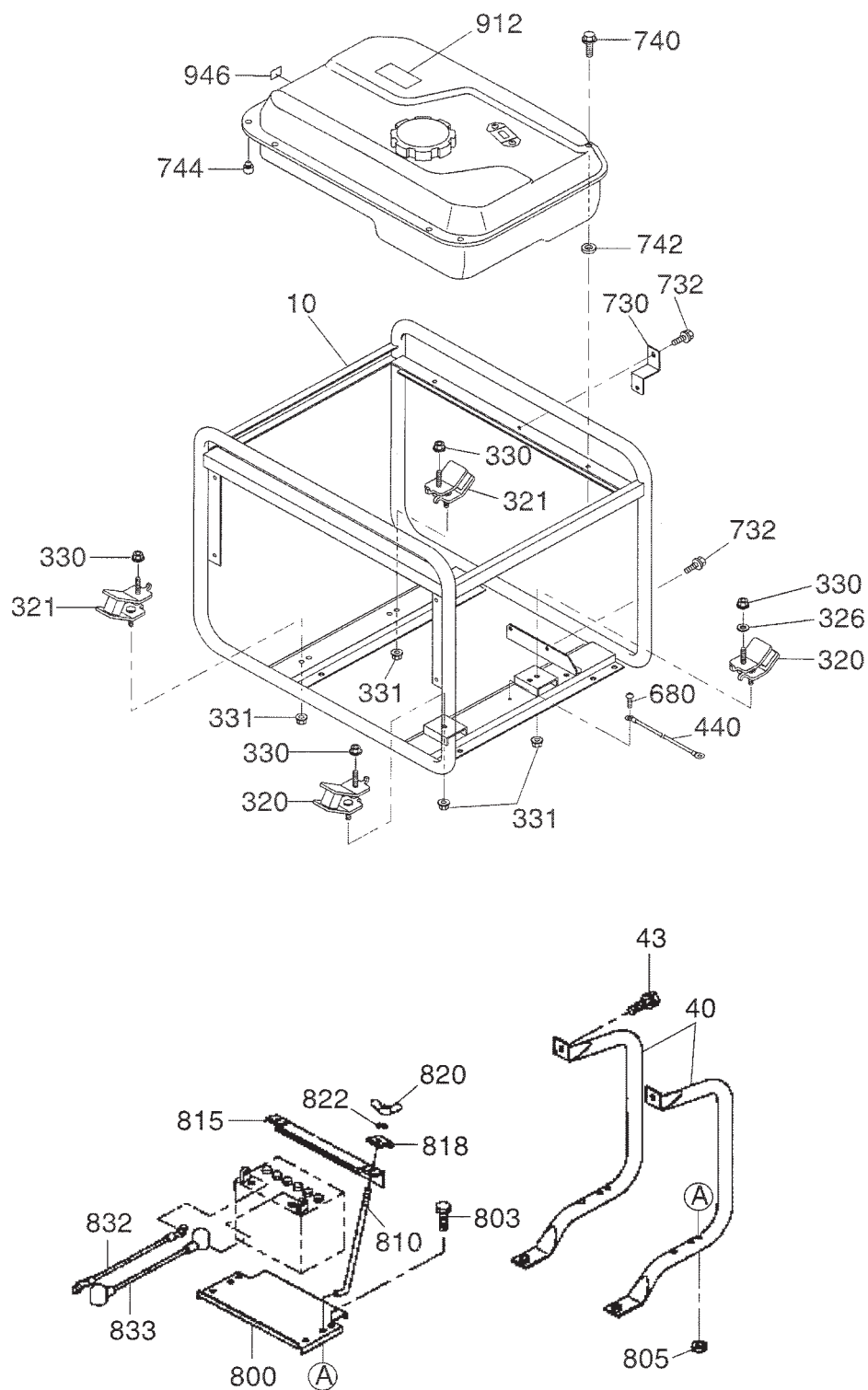


SECTION 9 BASE, FRAME GROUP - RECOIL

[illegible]

SECTION 9 BASE, FRAME GROUP - ELECTRIC START

FIG. 2300

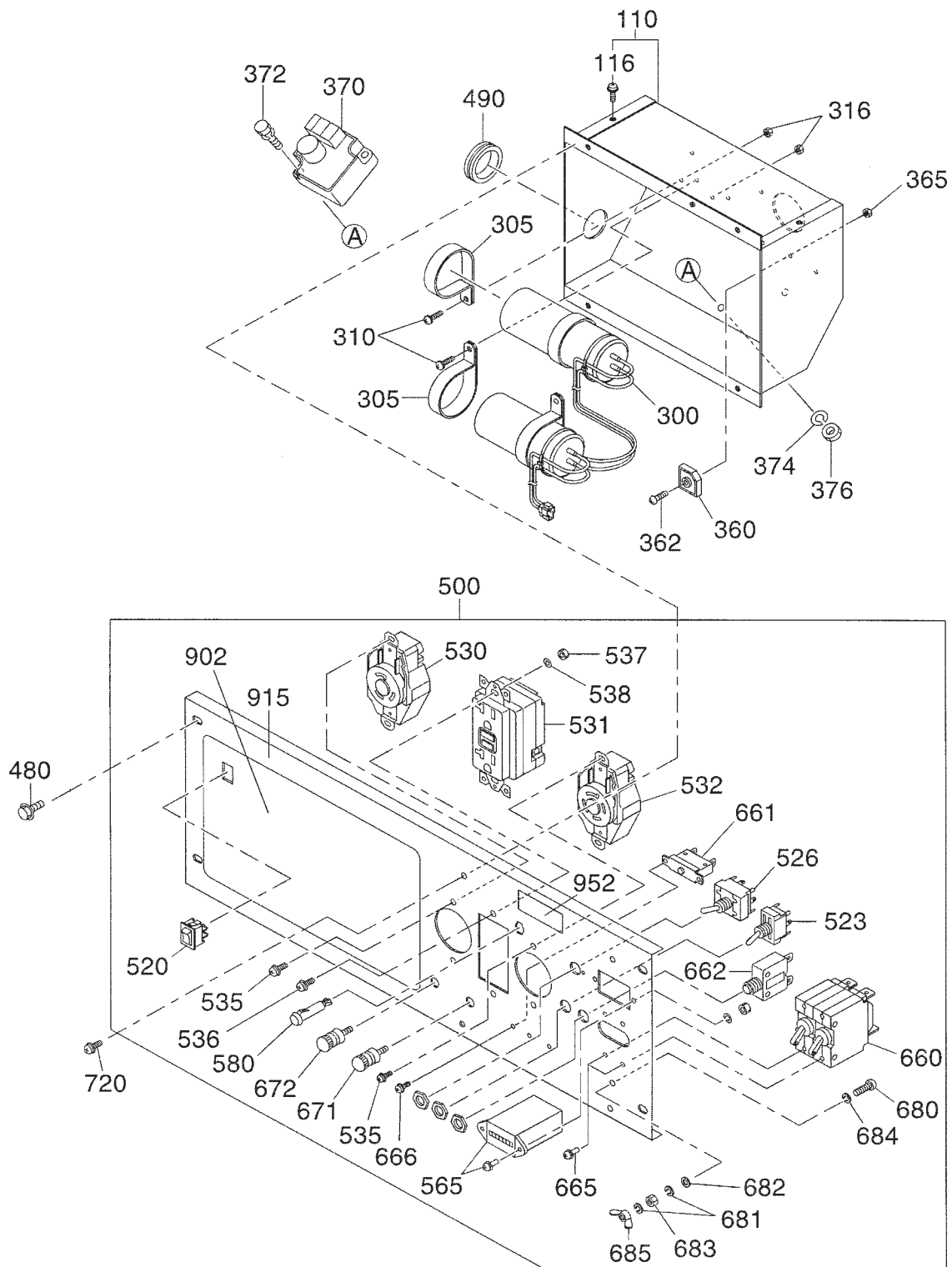


SECTION 9 BASE, FRAME GROUP - ELECTRIC START

[illegible]

SECTION 10 CONTROL GROUP - RECOIL

FIG. 2400

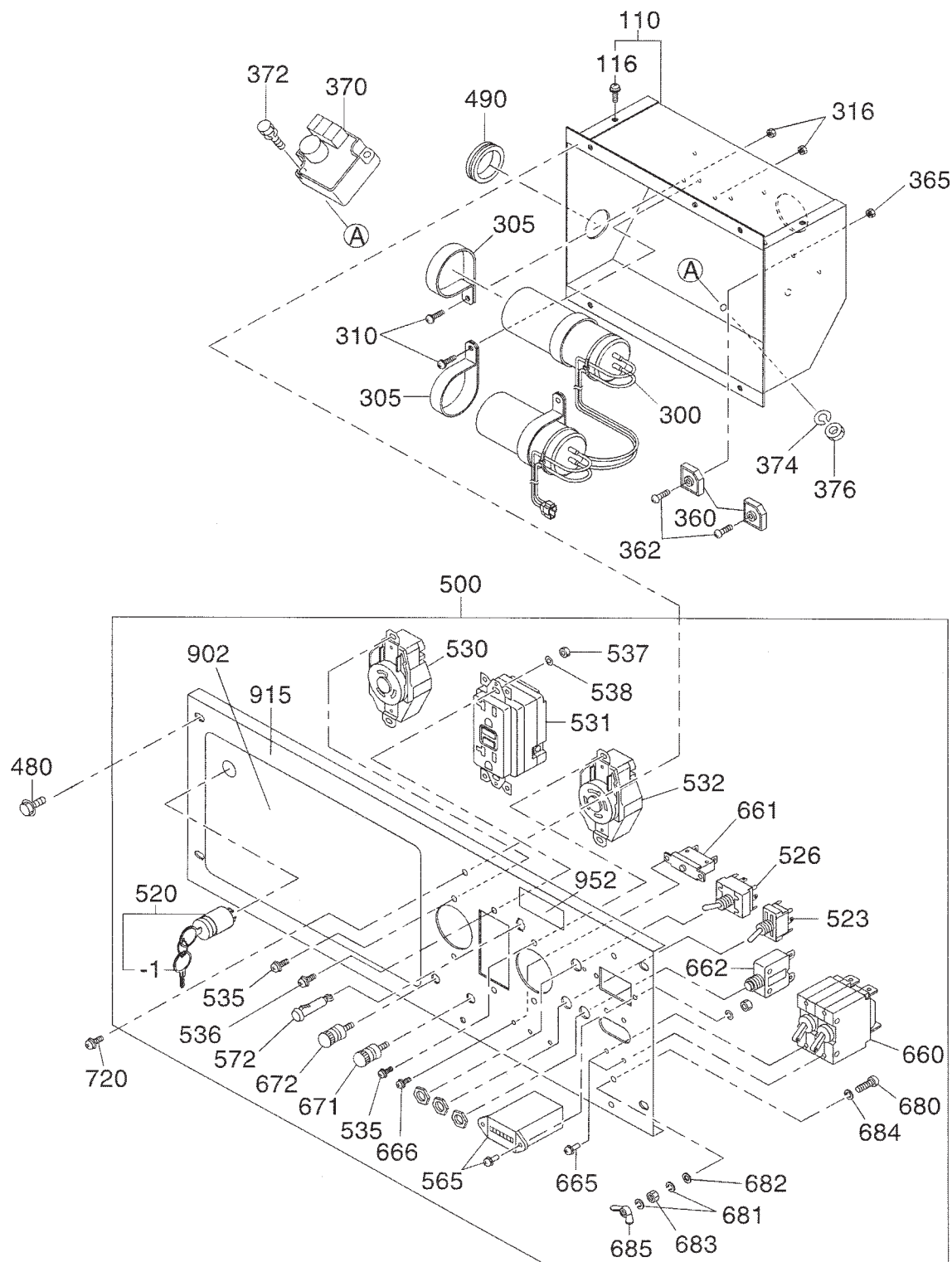


SECTION 10 CONTROL GROUP - RECOIL

REF	PART NO	DESCRIPTION	QTY	REMARKS	FROM - TO	FIG
100	35C-70107-00	CONTROL BOX AY	1			2400
110	35C-71102-02	CONTROL BOX UN	1			2400
116	359-59929-08	SCREW and WASHER	4			2400
300	35C-72001-03	CONDENSER	1			2400
305	30G-47605-08	CONDENSER HOLDER	4			2400
310	390-49972-08	SCREW and WASHER	4			2400
316	002-17040-00	NUT	4			2400
360	353-45804-08	DIODE STACK	1			2400
362	004-36042-00	SCREW and WASHER	1			2400
365	002-17040-00	NUT	1			2400
370	KU3-11015-01	IDLE C/U CP	1	150V		2400
372	004-35062-00	SCREW and WASHER	2			2400
374	003-20060-00	SPRING WASHER	2			2400
376	002-17060-00	NUT	2			2400
480	011-00600-80	FLANGE BOLT	4			2400
490	389-89001-03	GROMMET	1			2400
500	35C-70207-00	PANEL A AY	1			2400
520	35A-72002-03	ROCKER SWITCH	1			2400
523	344-45615-08	AUTO IDLE SWITCH	1			2400
526	355-45613-11	SWITCH AY	1			2400
530	35B-72003-03	AC RECEPTACLE	1	250V / 30A		2400
531	388-85003-01	AC RECEPTACLE	1	125V / 20A		2400
532	35C-72005-03	AC RECEPTACLE	1			2400
535	31C-79001-03	SCREW and WASHER	4			2400
536	351-49920-08	SCREW and WASHER	2			2400
537	002-17040-00	NUT	2			2400
538	003-10040-00	WASHER	4			2400
565	393-40651-08	HOUR METER	1	60Hz		2400
580	30G-45308-08	LAMP	1			2400
660	35C-72002-03	BREAKER	1			2400
661	352-45620-08	CIRCUIT BREAKER	1			2400
662	35C-72006-03	BREAKER	1			2400
665	31B-79011-03	SCREW and WASHER	4			2400
666	351-49921-08	SCREW and WASHER	2			2400
671	363-45701-08	TERMINAL BOLT	1	Red-20A		2400
672	363-45700-08	TERMINAL BOLT	1	Black-20A		2400
680	356-49956-08	SCREW	1			2400
681	332-00050-08	SPRING WASHER	2			2400
682	353-49903-08	WASHER	1			2400
683	353-49902-08	NUT	1			2400
684	372-59950-08	LOCK WASHER	1			2400
685	353-49901-08	WING NUT	1			2400
720	31B-79012-03	BOLT and WASHER	4			2400
902	35C-71209-02	LABEL, brand	1			2400
915	35C-71208-02	LABEL, panel	1			2400
952	391-93014-03	LABEL, ground	1			2400

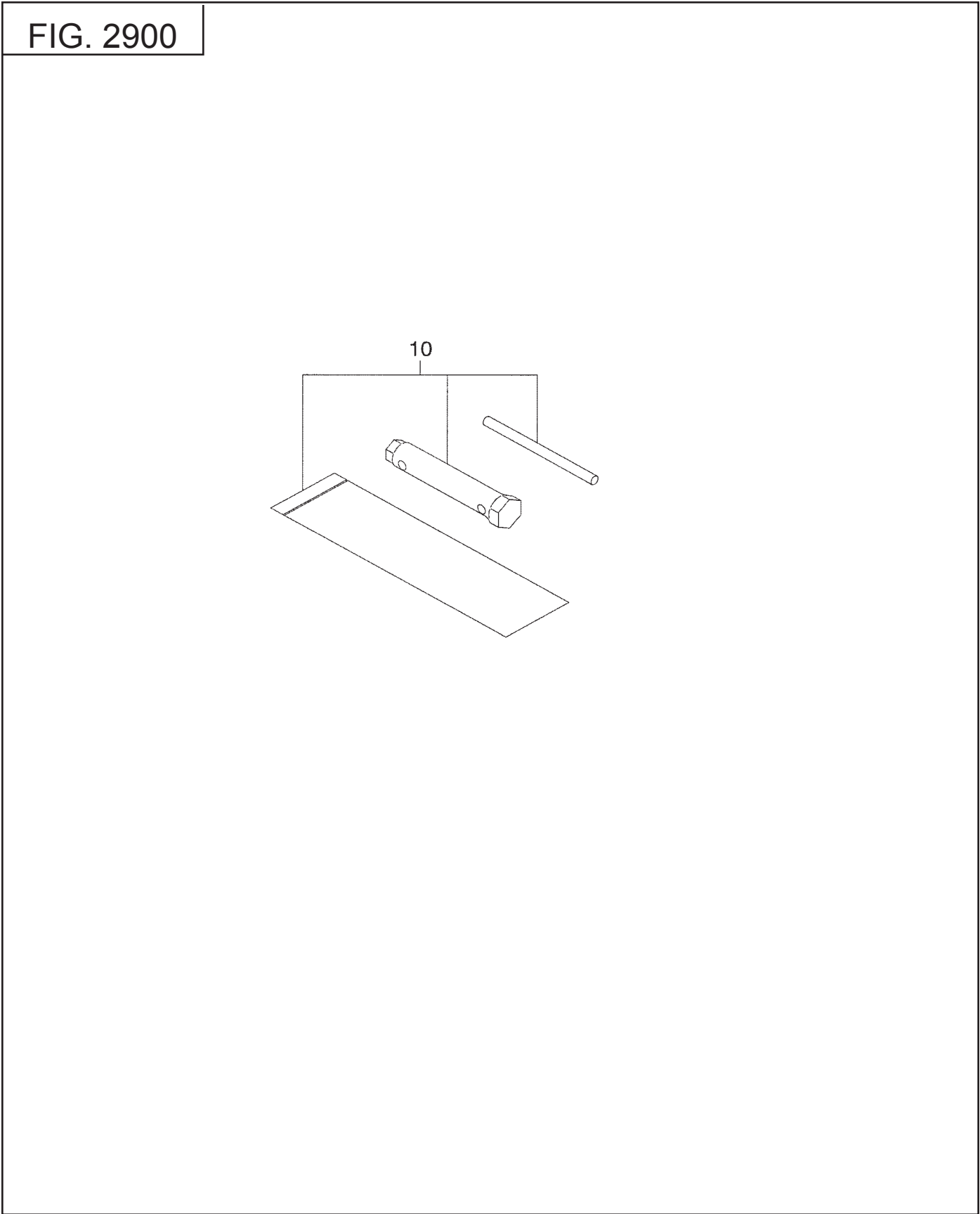
SECTION 10 CONTROL GROUP - ELECTRIC

FIG. 2400



SECTION 10 CONTROL GROUP - ELECTRIC

REF	PART NO	DESCRIPTION	QTY	REMARKS	FROM - TO	FIG
100	35C-70108-00	CONTROL BOX AY	1			2400
110	35C-71102-02	CONTROL BOX UN	1			2400
116	359-59929-08	SCREW and WASHER	4			2400
300	35C-72001-03	CONDENSER	1			2400
305	30G-47605-08	CONDENSER HOLDER	4			2400
310	390-49972-08	SCREW and WASHER	4			2400
316	002-17040-00	NUT	4			2400
360	353-45804-08	DIODE STACK	1			2400
362	004-36042-00	SCREW and WASHER	1			2400
365	002-17040-00	NUT	1			2400
370	KU3-11015-01	IDLE C/U CP	1	150V		2400
372	004-35062-00	SCREW and WASHER	2			2400
374	003-20060-00	SPRING WASHER	2			2400
376	002-17060-00	NUT	2			2400
480	011-00600-80	FLANGE BOLT	4			2400
490	389-89001-03	GROMMET	1			2400
500	35C-70208-00	PANEL A AY	1			2400
520	066-00003-30	SWITCH	1			2400
-1	066-00099-80	KEY, switch	1			2400
523	344-45615-08	AUTO IDLE SWITCH	1			2400
526	355-45613-11	SWITCH AY	1			2400
530	35B-72003-03	AC RECEPTACLE	1	250V / 30A		2400
531	388-85003-01	AC RECEPTACLE	1	125V / 20A		2400
532	35C-72005-03	AC RECEPTACLE	1			2400
535	31C-79001-03	SCREW and WASHER	4			2400
536	351-49920-08	SCREW and WASHER	2			2400
537	002-17040-00	NUT	2			2400
538	003-10040-00	WASHER	4			2400
565	393-40651-08	HOUR METER	1	60Hz		2400
572	30G-45308-08	LAMP	1			2400
660	35C-72002-03	BREAKER	1			2400
661	352-45620-08	CIRCUIT BREAKER	1			2400
662	35C-72006-03	BREAKER	1			2400
665	31B-79011-03	SCREW and WASHER	4			2400
666	351-49921-08	SCREW and WASHER	2			2400
671	363-45701-08	TERMINAL BOLT	1	Red-20A		2400
672	363-45700-08	TERMINAL BOLT	1	Black-20A		2400
680	356-49956-08	SCREW	1			2400
681	332-00050-08	SPRING WASHER	2			2400
682	353-49903-08	WASHER	1			2400
683	353-49902-08	NUT	1			2400
684	372-59950-08	LOCK WASHER	1			2400
685	353-49901-08	WING NUT	1			2400
720	31B-79012-03	BOLT and WASHER	4			2400
902	35C-71211-02	LABEL, brand	1			2400
915	35C-71210-02	LABEL, panel	1			2400
952	391-93014-03	LABEL, ground	1			2400



SECTION 12 ACCESSORIES GROUP

[illegible]

Cummins Onan



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